


PALM INTRANET

 Day : Saturday
 Date: 2/8/2003
 Time: 15:37:49
Inventor Name Search Result

Your Search was:

Last Name = ROBERTS

First Name = WILLIAM

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>07211267</u>	Not Issued	161	06/24/1988	WASTE TREATMENT AND WASTE RECYCLING PROCESS FOR THE CONTINUOUS PRODUCTION OF NON-HAZARDOUS, STRUCTURAL AGGREGATE FROM INCINERATOR ASH, OR ANY OTHER WASTE	ROBERTS , WILLIAM A.
<u>08115434</u>	<u>5414965</u>	150	09/01/1993	ROOF EDGE ANCHORING DEVICES FOR BUILDING STRUCTURES	ROBERTS , WILLIAM C.
<u>06101627</u>	<u>4455066</u>	150	12/10/1979	TRANSPORT FOR DISPLAY TERMINAL	ROBERTS , WILLIAM E.
<u>07816624</u>	Not Issued	161	03/16/1992	BUG SHEILD	ROBERTS , WILLIAM H.
<u>06158658</u>	<u>4371833</u>	150	06/11/1980	SPEED SWITCH	ROBERTS , WILLIAM J.
<u>06519432</u>	<u>4459099</u>	150	08/01/1983	FUEL AND IGNITION CONTROL	ROBERTS , WILLIAM J.
<u>08645874</u>	<u>5694688</u>	150	05/14/1996	METHOD AND APPARATUS FOR MAKING PAINT ROLLER COVER	ROBERTS , WILLIAM J.
<u>08381541</u>	<u>5537745</u>	150	01/31/1995	METHOD AND APPARATUS FOR MAKING PAINT ROLLER COVER WITH THERMO PLASTIC CORE	ROBERTS , WILLIAM J.
<u>06866185</u>	<u>4710820</u>	150	05/22/1986	SINGLE LAYER OPTICAL COUPLER FOR PROJECTION TV CRT	ROBERTS , WILLIAM N.
<u>07533971</u>	<u>5060114</u>	150	06/06/1990	CONFORMABLE PAD WITH THERMALLY CONDUCTIVE ADDITIVE FOR HEAT DISSIPATION	ROBERTS , WILLIAM N.
<u>07208689</u>	Not	166	06/20/1988	METHOD OF PROTECTING	ROBERTS ,

	Issued			GALVANIZED STEEL FROM CORROSION	WILLIAM O.
<u>09501919</u>	Not Issued	160	02/10/2000	WOBBLING TOY RAILROAD VEHICLE	ROBERTS, WILLIAM
<u>09843534</u>	Not Issued	030	04/25/2001	POLARIZER REMOVAL IN A MICRODISPLAY SYSTEM	ROBERTS, WILLIAM
<u>60237674</u>	Not Issued	020	10/05/2000	SUPPORT STRUCTURE FOR MOUNTING EQUIPMENT TO TRANSPORTABLE ANESTHESIA MACHINES	ROBERTS, WILLIAM
<u>09757144</u>	Not Issued	093	01/09/2001	ANTI-REFLECTIVE COATING CONFORMALITY CONTROL	ROBERTS, WILLIAM
<u>09945443</u>	Not Issued	071	08/30/2001	SELF LUBRICATING, NON-SEALING PISTON RING FOR AN INTERNAL COMBUSTION FASTENER DRIVING TOOL	ROBERTS, WILLIAM
<u>10253397</u>	Not Issued	020	09/23/2002	METHOD AND APPARATUS FOR DYNAMIC DATA-TYPE MANAGEMENT	ROBERTS, WILLIAM A.
<u>09970854</u>	Not Issued	030	10/05/2001	SUPPORT STRUCTURE FOR MOUNTING EQUIPMENT TO TRANSPORTABLE ANESTHESIA MACHINES	ROBERTS, WILLIAM ALAN
<u>60408209</u>	Not Issued	020	08/30/2002	SYSTEMS AND METHOD FOR PROVIDING TARGETED MESSAGE IN A MEDIA PLAYER	ROBERTS, WILLIAM ANTHONY
<u>09543603</u>	<u>6276666</u>	150	04/05/2000	APPARATUS AND METHOD FOR MOVING A LOAD	ROBERTS, WILLIAM D
<u>29146712</u>	<u>D470950</u>	150	08/15/2001	SILL	ROBERTS, WILLIAM G.
<u>29134476</u>	<u>D450134</u>	150	12/22/2000	FRAME	ROBERTS, WILLIAM G.
<u>29146713</u>	<u>D461908</u>	150	08/15/2001	KEEPER RAIL	ROBERTS, WILLIAM G.
<u>29134482</u>	<u>D450135</u>	150	12/22/2000	DOUBLE JAMB MULLION	ROBERTS, WILLIAM G.
<u>29134474</u>	<u>D450392</u>	150	12/22/2000	FRAME	ROBERTS, WILLIAM G.
<u>29134472</u>	<u>D451206</u>	150	12/22/2000	SILL	ROBERTS, WILLIAM G.
<u>29134475</u>	<u>D450393</u>	150	12/22/2000	FRAME	ROBERTS, WILLIAM G.
<u>29134473</u>	Not	095	12/22/2000	MEETING RAIL	ROBERTS,

	Issued				WILLIAM G.
<u>29134479</u>	D458690	150	12/22/2000	T-BAR	ROBERTS, WILLIAM G.
<u>29134478</u>	D450394	150	12/22/2000	MEETING RAIL	ROBERTS, WILLIAM G.
<u>29134562</u>	D450139	150	12/22/2000	WIDE FRAME	ROBERTS, WILLIAM G.
<u>09872705</u>	Not Issued	071	06/01/2001	BIOAVAILABLE PRODRUGS OF ANDROGENIC STEROIDS AND RELATED METHOD	ROBERTS, WILLIAM J.
<u>10053505</u>	Not Issued	041	01/16/2002	BIOAVAILABLE PRODRUGS OF ANDROGENIC STEROIDS AND RELATED METHOD	ROBERTS, WILLIAM J.
<u>10265218</u>	Not Issued	019	10/03/2002	COMPOSITION AND METHOD FOR INCREASING IN VIVO ANDROGEN CONCENTRATION	ROBERTS, WILLIAM J.
<u>10123068</u>	Not Issued	030	04/12/2002	5-ALKYL-7- ALKYLCARBONATE- ISOFLAVONE ESTER AND RELATED METHOD	ROBERTS, WILLIAM J.
<u>10053345</u>	Not Issued	030	01/16/2002	BIOAVAILABLE PRODRUGS OF ANDROGENIC STEROIDS AND RELATED METHOD	ROBERTS, WILLIAM J.
<u>10118835</u>	Not Issued	030	04/09/2002	DISPLAYING CONTROL POINTS OVER A TIMELINE	ROBERTS, WILLIAM JAMES
<u>60287859</u>	Not Issued	020	05/01/2001	DEAGGLOMERATOR APPARATUS AND METHOD	ROBERTS, WILLIAM LEROY
<u>09617246</u>	Not Issued	041	07/14/2000	MULTIPLE MODE LASER	ROBERTS, WILLIAM M.
<u>60322617</u>	Not Issued	020	09/17/2001	ROTATIONAL RESISTANT SLIP MECHANISM	ROBERTS, WILLIAM M.
<u>09679108</u>	Not Issued	093	10/04/2000	HIGH PRESSURE PERMANENT PACKER	ROBERTS, WILLIAM M.
<u>10245184</u>	Not Issued	019	09/17/2002	TORSIONAL RESISTANT SLIP MECHANISM AND METHOD	ROBERTS, WILLIAM M.
<u>10014706</u>	Not Issued	041	11/13/2001	FUEL CELL ADAPTER SYSTEM FOR COMBUSTION TOOLS	ROBERTS, WILLIAM N.
<u>10115065</u>	Not Issued	030	04/02/2002	FUEL CELL ADAPTER SYSTEM FOR COMBUSTION TOOLS	ROBERTS, WILLIAM N.
<u>09971336</u>	Not Issued	030	10/04/2001	METHOD OF LINKING A FOOD SOURCE WITH A FOOD	ROBERTS, WILLIAM P.

				PRODUCT	
<u>60401066</u>	Not Issued	020	08/05/2002	HIGH FREE SHRINK, HIGH MODULUS, LOW SHRINK TENSION FILM WITH ELASTIC RECOVERY	ROBERTS, WILLIAM P.
<u>10159835</u>	Not Issued	030	05/31/2002	MAIL COLLECTION BOX	ROBERTS, WILLIAM P.
<u>09951228</u>	Not Issued	071	09/11/2001	FILM CONTAINING ALPHA-OLEFIN/VINYL AROMATIC COPOLYMER	ROBERTS, WILLIAM P.
<u>09671163</u>	<u>6506860</u>	150	09/28/2000	NOVEL REGIO-REGULAR COPOLYMER AND METHODS OF FORMING SAME	ROBERTS, WILLIAM PEYTON
<u>10122110</u>	Not Issued	030	04/15/2002	ETCHED-LOOK LABEL AND METHOD	ROBERTS, WILLIAM W.

[Search and Display More Records.](#)

	Last Name	First Name	
Search Another: Inventor	<input type="text" value="Roberts"/>	<input type="text" value="William"/>	<input type="button" value="Search"/>

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

09872705

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 15:17:40 ON 08 FEB 2003)

FILE 'REGISTRY' ENTERED AT 15:17:50 ON 08 FEB 2003

L1 1208 S TESTOSTERONE
L2 81 S DIHYDROTESTOSTERONE
L3 0 S 17-METHOXYMETHYLESTR-4-ENE-3-ONE

FILE 'CAPLUS' ENTERED AT 15:20:56 ON 08 FEB 2003

L4 0 S 17-METHOXYMETHYLESTR-4-ENE-3-ONE
L5 0 S 17-METHOXYMETHYLESTR
L6 1 S METHOXYMETHYLESTR

FILE 'REGISTRY' ENTERED AT 15:22:48 ON 08 FEB 2003

L7 0 S METHOXYMETHYLESTR/RN
L8 6 S METHOXYMETHYLESTR

FILE 'CAPLUS' ENTERED AT 15:24:20 ON 08 FEB 2003

L9 7 S L8
L10 0 S METHOXYMETHYLOXYANDROST
L11 0 S METHOXYMETHYLOXYANDROST
L12 0 S METHOXYMETHYLOXYANDROST-1,4-DIENE
L13 0 S METHOXYMETHYLOXYANDROST-1

FILE 'REGISTRY' ENTERED AT 15:29:05 ON 08 FEB 2003

L14 0 S METHOXYMETHYLOXYANDROST
L15 241 S 17-HYDROXYANDROST
L16 1 S 17-DIOL, ANDROST

FILE 'CAPLUS' ENTERED AT 15:32:58 ON 08 FEB 2003

=> s l16

L17 1 L16

=> d l17 ibib hitstr abs

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:850953 CAPLUS

DOCUMENT NUMBER: 136:11113

TITLE: Composition containing deer antler, nor-testosterone and testosterone precursors and aromatase and 5.alpha.-reductase inhibitors to increase testosterone levels

INVENTOR(S): Yegorova, Inna

PATENT ASSIGNEE(S): Braswell, Glenn A., USA

SOURCE: PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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2/8/2003

09872705

WO 2001087316 A2 20011122 WO 2001-US15404 20010512
WO 2001087316 A3 20020502

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

US 2000-570908 A 20000515

IT 376387-73-4

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)

(compn. contg. deer antler, nortestosterone and testosterone precursors
and aromatase and 5.alpha.-reductase inhibitors to increase
testosterone levels)

RN 376387-73-4 CAPLUS

CN Androst-4-ene-3,17-dione, mixt. with (3.beta.,17.beta.)-androst-5-ene-3,17-
diol, androst-5-ene-3,17-dione, antler, 5,7-dihydroxy-2-phenyl-4H-1-
benzopyran-4-one, (3.beta.,17.beta.)-estr-5-ene-3,17-diol,
estr-4-ene-3,17-dione, and estr-5-ene-3,17-dione (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

AB This invention provides compns. and methods related to the administration
of deer antler, one or more nor-testosterone precursors, and one or more
testosterone precursors, to increase testosterone levels, treat sexual
dysfunction, improve sexual function, improve energy, enhance feelings of
well-being and increase muscle mass in males. This invention also
provides for inhibitors of the enzymes aromatase and/or 5-alpha reductase,
to support testosterone levels and avoid undesirable metabolites.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
3.55	152.44

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.65	-5.86

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STRUCTURE FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

2/8/2003

09872705

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 376387-73-4/rn

L18 1 376387-73-4/RN

=> d 118

L18 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 376387-73-4 REGISTRY

CN Androst-4-ene-3,17-dione, mixt. with (3.beta.,17.beta.)-androst-5-ene-3,17-diol, androst-5-ene-3,17-dione, antler, 5,7-dihydroxy-2-phenyl-4H-1-benzopyran-4-one, (3.beta.,17.beta.)-estr-5-ene-3,17-diol, estr-4-ene-3,17-dione, and estr-5-ene-3,17-dione (9CI) (CA INDEX NAME)

MF C19 H30 O2 . C19 H26 O2 . C19 H26 O2 . C18 H28 O2 . C18 H24 O2 . C18 H24 O2 . C15 H10 O4 . Unspecified

CI MXS, MAN

SR CA

LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=>

09872705

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=>
=> s methoxymethoxyandrost
L10      0 METHOXYMETHYLOXYANDROST

=> s methoxymethyloxyandrost
L11      0 METHOXYMETHYLOXYANDROST

=> s methoxymethyloxyandrost-1,4-diene
      0 METHOXYMETHYLOXYANDROST
      7426203 1
      4612880 4
      57582 DIENE
L12      0 METHOXYMETHYLOXYANDROST-1,4-DIENE
          (METHOXYMETHYLOXYANDROST (W) 1 (W) 4 (W) DIENE)

=> s methoxymethyloxyandrost-1
      0 METHOXYMETHYLOXYANDROST
      7426203 1
L13      0 METHOXYMETHYLOXYANDROST-1
          (METHOXYMETHYLOXYANDROST (W) 1)
```

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	48.86	119.49
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.56	-5.21

FILE 'REGISTRY' ENTERED AT 15:29:05 ON 08 FEB 2003
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STRUCTURE FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6
DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

```
=> s methoxymethyloxyandrost
L14      0 METHOXYMETHYLOXYANDROST
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=> s 17-hydroxyandrost
      441889 17
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2/8/2003

09872705

L15 1384 HYDROXYANDROST
241 17-HYDROXYANDROST
(17(W)HYDROXYANDROST)

=> s 17-diol, androst

441889 17

327955 DIOL

28126 ANDROST

L16 1 17-DIOL, ANDROST
(17(W)DIOL(W)ANDROST)

=> d 116

L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 376387-73-4 REGISTRY

CN Androst-4-ene-3,17-dione, mixt. with (3.beta.,17.beta.)-androst-5-ene-3,17-diol, androst-5-ene-3,17-dione, antler, 5,7-dihydroxy-2-phenyl-4H-1-benzopyran-4-one, (3.beta.,17.beta.)-estr-5-ene-3,17-diol, estr-4-ene-3,17-dione, and estr-5-ene-3,17-dione (9CI) (CA INDEX NAME)

MF C19 H30 O2 . C19 H26 O2 . C19 H26 O2 . C18 H28 O2 . C18 H24 O2 . C18 H24 O2 . C15 H10 O4 . Unspecified

CI MXS, MAN

SR CA

LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
29.40	148.89

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-5.21

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 15:32:58 ON 08 FEB 2003
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FILE COVERS 1907 - 8 Feb 2003 VOL 138 ISS 7
FILE LAST UPDATED: 7 Feb 2003 (20030207/ED)

2/8/2003

09872705

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 15:17:40 ON 08 FEB 2003)

FILE 'REGISTRY' ENTERED AT 15:17:50 ON 08 FEB 2003

L1 1208 S TESTOSTERONE
L2 81 S DIHYDROTESTOSTERONE
L3 0 S 17-METHOXYMETHYLESTR-4-ENE-3-ONE

FILE 'CAPLUS' ENTERED AT 15:20:56 ON 08 FEB 2003

L4 0 S 17-METHOXYMETHYLESTR-4-ENE-3-ONE
L5 0 S 17-METHOXYMETHYLESTR
L6 1 S METHOXYMETHYLESTR

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L7 0 S METHOXYMETHYLESTR/RN
L8 6 S METHOXYMETHYLESTR

FILE 'CAPLUS' ENTERED AT 15:24:20 ON 08 FEB 2003

L9 7 S L8
L10 0 S METHOXYMETHYLOXYANDROST
L11 0 S METHOXYMETHYLOXYANDROST
L12 0 S METHOXYMETHYLOXYANDROST-1,4-DIENE
L13 0 S METHOXYMETHYLOXYANDROST-1

FILE 'REGISTRY' ENTERED AT 15:29:05 ON 08 FEB 2003

L14 0 S METHOXYMETHYLOXYANDROST
L15 241 S 17-HYDROXYANDROST
L16 1 S 17-DIOL, ANDROST

FILE 'CAPLUS' ENTERED AT 15:32:58 ON 08 FEB 2003

=> s l16

L17 1 L16

=> d l17 ibib hitstr abs

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:850953 CAPLUS

DOCUMENT NUMBER: 136:11113

TITLE: Composition containing deer antler, nor-testosterone and testosterone precursors and aromatase and 5.alpha.-reductase inhibitors to increase testosterone levels

INVENTOR(S): Yegorova, Inna

PATENT ASSIGNEE(S): Braswell, Glenn A., USA

SOURCE: PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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2/8/2003

09872705

WO 2001087316 A2 20011122 WO 2001-US15404 20010512
WO 2001087316 A3 20020502

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

US 2000-570908 A 20000515

IT 376387-73-4

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(compn. contg. deer antler, nortestosterone and testosterone precursors
and aromatase and 5.alpha.-reductase inhibitors to increase
testosterone levels)

RN 376387-73-4 CAPLUS

CN Androst-4-ene-3,17-dione, mixt. with (3.beta.,17.beta.)-androst-5-ene-3,17-
diol, androst-5-ene-3,17-dione, antler, 5,7-dihydroxy-2-phenyl-4H-1-
benzopyran-4-one, (3.beta.,17.beta.)-estr-5-ene-3,17-diol,
estr-4-ene-3,17-dione, and estr-5-ene-3,17-dione (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

AB This invention provides comps. and methods related to the administration
of deer antler, one or more nor-testosterone precursors, and one or more
testosterone precursors, to increase testosterone levels, treat sexual
dysfunction, improve sexual function, improve energy, enhance feelings of
well-being and increase muscle mass in males. This invention also
provides for inhibitors of the enzymes aromatase and/or 5-alpha reductase,
to support testosterone levels and avoid undesirable metabolites.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
3.55	152.44

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.65	-5.86

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DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 376387-73-4/rn

L18 1 376387-73-4/RN

=> d l18

L18 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 376387-73-4 REGISTRY
CN Androst-4-ene-3,17-dione, mixt. with (3.beta.,17.beta.)-androst-5-ene-3,17-diol, androst-5-ene-3,17-dione, antler, 5,7-dihydroxy-2-phenyl-4H-1-benzopyran-4-one, (3.beta.,17.beta.)-estr-5-ene-3,17-diol, estr-4-ene-3,17-dione, and estr-5-ene-3,17-dione (9CI) (CA INDEX NAME)
MF C19 H30 O2 . C19 H26 O2 . C19 H26 O2 . C18 H28 O2 . C18 H24 O2 . C18 H24 O2 . C15 H10 O4 . Unspecified
CI MXS, MAN
SR CA
LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=>

09872705

Welcome to STN International! Enter x:x

LOGINID:sssptal202sxq

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC

2/8/2003

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NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:17:40 ON 08 FEB 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 15:17:50 ON 08 FEB 2003

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STRUCTURE FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s testosterone

L1 1208 TESTOSTERONE

=> s dihydrotestosterone

L2 81 DIHYDROTESTOSTERONE

2/8/2003

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```
=> s 17-methoxymethylestr-4-ene-3-one
    441889 17
        6 METHOXYMETHYLESTR
    12125912 4
    3960411 ENE
    11700093 3
    8466567 ONE
L3      0 17-METHOXYMETHYLESTR-4-ENE-3-ONE
        (17 (W) METHOXYMETHYLESTR (W) 4 (W) ENE (W) 3 (W) ONE)
```

=> file caplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	35.76	35.97

FILE 'CAPLUS' ENTERED AT 15:20:56 ON 08 FEB 2003
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FILE COVERS 1907 - 8 Feb 2003 VOL 138 ISS 7
FILE LAST UPDATED: 7 Feb 2003 (20030207/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s 17-methoxymethylestr-4-ene-3-one
    576129 17
        1 METHOXYMETHYLESTR
    4612880 4
    43571 ENE
    5680123 3
    1625143 ONE
L4      0 17-METHOXYMETHYLESTR-4-ENE-3-ONE
        (17 (W) METHOXYMETHYLESTR (W) 4 (W) ENE (W) 3 (W) ONE)
```

```
=> s 17-methoxymethylestr
    576129 17
        1 METHOXYMETHYLESTR
L5      0 17-METHOXYMETHYLESTR
        (17 (W) METHOXYMETHYLESTR)
```

```
=> s methoxymethylestr
L6      1 METHOXYMETHYLESTR
```

```
=> d 16 ibib hitstr abs
```

2/8/2003

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L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1989:126069 CAPLUS
DOCUMENT NUMBER: 110:126069
TITLE: Structure of (4'R)-4'-methoxycarbonyl-17.beta.-methoxymethyl-2,5.beta.-ethanoestr-3-one, a bridged steroid derivative
AUTHOR(S): Preut, Hans; Bathe-Burmeister, Simone; Kreiser, Wolfgang
CORPORATE SOURCE: Fachbereich Chem., Univ. Dortmund, Dortmund, D-4600/50, Fed. Rep. Ger.
SOURCE: Acta Crystallographica, Section C: Crystal Structure Communications (1989), C45(1), 171-3
CODEN: ACSCEE; ISSN: 0108-2701
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The title compd. is monoclinic, space group C2, with a 12.978(7), b 7.076(5), c 24.598(9) .ANG., and .beta. 97.20(5).degree.; dc = 1.199 for Z = 4. The final R = 0.048 for 2915 reflections. At. coordinates are given. The constitution and configuration of the title product from the reaction of 17.beta.-methoxymethylestr-4-en-3-one with Me acrylate was clarified by x-ray anal. The newly introduced methoxycarbonylethane bridge was located on the .beta.-face. The chiral center at C(4') displays R configuration.

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	19.16	55.13
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.65	-0.65

FILE 'REGISTRY' ENTERED AT 15:22:48 ON 08 FEB 2003
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STRUCTURE FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6
DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s methoxymethylestr/rn
L7 0 METHOXYMETHYLESTR/RN

2/8/2003

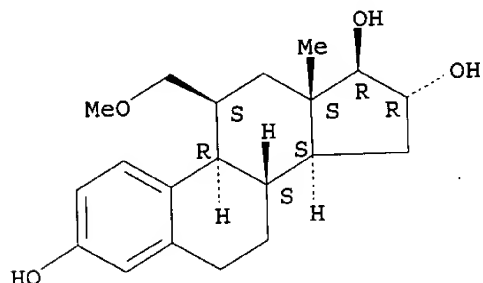
09872705

=> s methoxymethylestr
L8 6 METHOXYMETHYLESTR

=> d 18 1-6

L8 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2003 ACS
RN 58212-69-4 REGISTRY
CN Estr-1,3,5(10)-triene-3,16,17-triol, 11-(methoxymethyl)-,
(11.beta.,16.alpha.,17.beta.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 11.beta.-Methoxymethylestriol
FS STEREOSEARCH
MF C20 H28 O4
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL

Absolute stereochemistry.

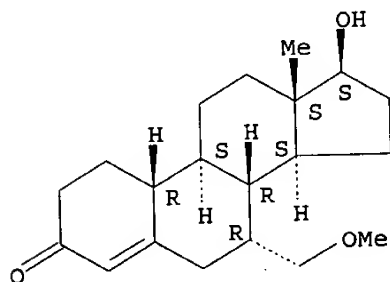


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1962 TO DATE)
5 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L8 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2003 ACS
RN 54502-65-7 REGISTRY
CN Estr-4-en-3-one, 17-hydroxy-7-(methoxymethyl)-, (7.alpha.,17.beta.)- (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN 17.beta.-Hydroxy-7.alpha.-methoxymethylestr-4-en-3-one
FS STEREOSEARCH
MF C20 H30 O3
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL

Absolute stereochemistry.



2/8/2003

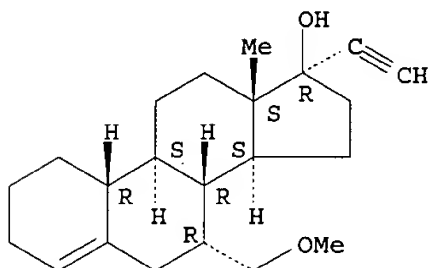
09872705

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L8 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2003 ACS
RN 54502-50-0 REGISTRY
CN 19-Norpregn-4-en-20-yn-17-ol, 7-(methoxymethyl)-, (7.alpha.,17.alpha.)-
(9CI) (CA INDEX NAME)
OTHER NAMES:
CN 17-Ethynyl-7.alpha.-methoxymethylestr-4-en-17.beta.-ol
FS STEREOSEARCH
MF C22 H32 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

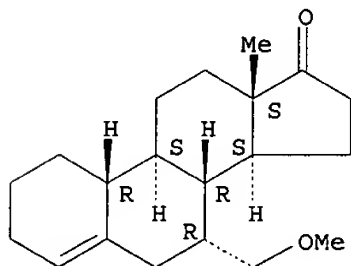


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

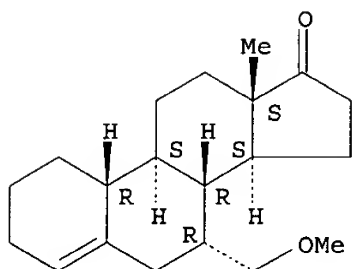
L8 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2003 ACS
RN 54502-49-7 REGISTRY
CN Estr-4-en-17-one, 7-(methoxymethyl)-, (7.alpha.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 7.alpha.-Methoxymethylestr-4-en-17-one
FS STEREOSEARCH
MF C20 H30 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



2/8/2003

09872705

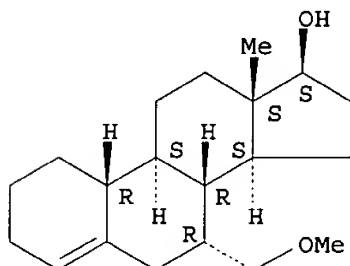


****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L8 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2003 ACS
RN 54502-48-6 REGISTRY
CN Estr-4-en-17-ol, 7-(methoxymethyl)-, (7.alpha.,17.beta.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **7.alpha.-Methoxymethylestr-4-en-17.beta.-ol**
FS STEREOSEARCH
MF C20 H32 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

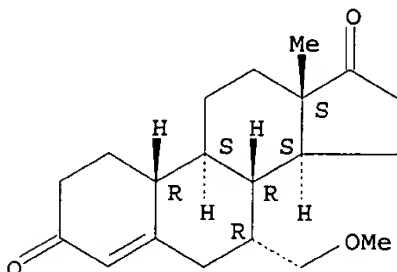
2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L8 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2003 ACS
RN 54502-44-2 REGISTRY
CN Estr-4-ene-3,17-dione, 7-(methoxymethyl)-, (7.alpha.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **7.alpha.-Methoxymethylestr-4-ene-3,17-dione**
FS STEREOSEARCH
MF C20 H28 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL
(*File contains numerically searchable property data)

2/8/2003

09872705

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
15.50	70.63

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.65

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 15:24:20 ON 08 FEB 2003

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FILE COVERS 1907 - 8 Feb 2003 VOL 138 ISS 7

FILE LAST UPDATED: 7 Feb 2003 (20030207/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 15:17:40 ON 08 FEB 2003)

FILE 'REGISTRY' ENTERED AT 15:17:50 ON 08 FEB 2003

2/8/2003

09872705

L1 1208 S TESTOSTERONE
L2 81 S DIHYDROTESTOSTERONE
L3 0 S 17-METHOXYMETHYLESTR-4-ENE-3-ONE

FILE 'CAPLUS' ENTERED AT 15:20:56 ON 08 FEB 2003

L4 0 S 17-METHOXYMETHYLESTR-4-ENE-3-ONE
L5 0 S 17-METHOXYMETHYLESTR
L6 1 S METHOXYMETHYLESTR

FILE 'REGISTRY' ENTERED AT 15:22:48 ON 08 FEB 2003

L7 0 S METHOXYMETHYLESTR/RN
L8 6 S METHOXYMETHYLESTR

FILE 'CAPLUS' ENTERED AT 15:24:20 ON 08 FEB 2003

=> s l8

L9 7 L8

=> d l9 1-9 ibib hitstr abs

L9 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1984:433459 CAPLUS

DOCUMENT NUMBER: 101:33459

TITLE: Estrogen-binding proteins in the female genital tract

AUTHOR(S): Bergink, E. W.; Kloosterboer, H. J.; Van der Vies, J.

CORPORATE SOURCE: Sci. Dev. Group, Organon Int. B.V., Oss, Neth.

SOURCE: Journal of Steroid Biochemistry (1984), 20(4B),

1057-60

CODEN: JSTBBK; ISSN: 0022-4731

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 58212-69-4

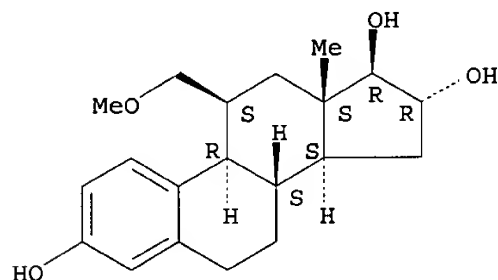
RL: BIOL (Biological study)

(protein binding of, in vagina of women, myometrium and breast tumor in relation to)

RN 58212-69-4 CAPLUS

CN Estradiol, 1,3,5(10)-triene-3,16,17-triol, 11-(methoxymethyl)-,
(11.beta.,16.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AB The binding characteristics of an estrogen-binding protein in the human vagina and in the human myometrium were examd. The specificities of these binding proteins were analyzed in binding studies using competitors and ligands with different structural features representing the various elements considered of importance for binding. The specificity of an estrogen-binding protein in human myometrium was similar to those of

2/8/2003

estrogen-binding proteins in human breast tumor tissue and in human MCF-7 cells. This specificity was also similar to those of estrogen receptors in myometrium, endometrium, and vagina of the rat. However, the specificity of an estrogen-binding protein in the vagina of postmenopausal patients was different. The vaginal estrogen-binding displayed similar high affinities for 17.beta.-estradiol [50-28-2], 17.alpha.-estradiol [57-91-0], and estriol [50-27-1] but low affinity for DES [56-53-1]. The equil. dissocn. consts. for [3H]estriol and [3H]17.beta.-estradiol were 4.3 .times. 10-10 M and 4.0 .times. 10-10 M, resp., and the concn. of this protein varied between 30 and 170 fmol/mg vaginal cytosol protein. Apparently, the human vagina contains an estrogen-binding protein with characteristics different from those of estrogen receptors present in myometrium and breast tumor tissue.

L9 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1984:96847 CAPLUS

DOCUMENT NUMBER: 100:96847

TITLE: Specificity of an estrogen binding protein in the human vagina compared with that of estrogen receptors in different tissues from different species

AUTHOR(S): Bergink, E. W.; Kloosterboer, H. J.; Van der Velden, W. H. M.; Van der Vies, J.; De Winter, M. S.

CORPORATE SOURCE: Sci. Dev. Group, Organon Int. B.V., Oss, Neth.

SOURCE: Progress in Cancer Research and Therapy (1983), 25(Steroids Endometrial Cancer), 77-84

CODEN: PCRTDK; ISSN: 0145-3726

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 58212-69-4

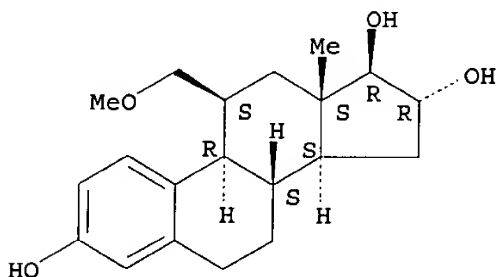
RL: PROC (Process)

(estrogen receptor binding of, in human and lab. animals, structure in relation to)

RN 58212-69-4 CAPLUS

CN Estra-1,3,5(10)-triene-3,16,17-triol, 11-(methoxymethyl)-, (11.beta.,16.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AB Estrogen-binding proteins from the myometrium, pituitary, thymus, and vagina of the rabbit; myometrium, endometrium, and vagina of the rat; and myometrium, breast tumor tissue, and MCF-7 cells of the human all displayed similar specificities with characteristics of an estrogen receptor. However, the specificity of the estrogen-binding protein in the human vagina was different from that of the human estrogen receptor; the estrogen-binding protein displayed high affinities for 17.beta.-estradiol [50-28-2], 17.alpha.-estradiol [57-91-0], and estriol [50-27-1], but a relatively low affinity for stilbestrol [56-53-1]. Structural

requirements of estrogens for binding to the estrogen receptor in the rabbit myometrium were detd. and discussed.

L9 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1981:150860 CAPLUS

DOCUMENT NUMBER: 94:150860

TITLE: A quantitative test for estrogenic activity using rat endometrium lactate dehydrogenase

AUTHOR(S): Jelinkova, Marta; Jelinek, J.; De Visser, J.; Van der Vies, J.

CORPORATE SOURCE: Endocrinol Lab., Organon Int. B. V., Oss, Neth.

SOURCE: Acta Endocrinologica (1981), 96(3), 389-93

CODEN: ACENA7; ISSN: 0001-5598

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 58212-69-4

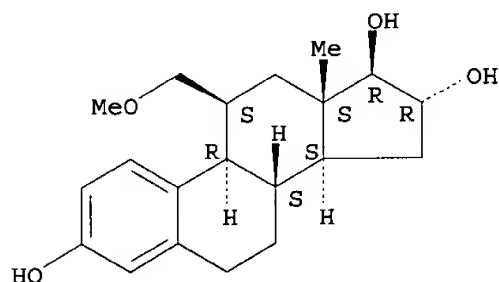
RL: BIOL (Biological study)

(lactate dehydrogenase of uterus endometrium stimulation by, estrogenic activity in relation to)

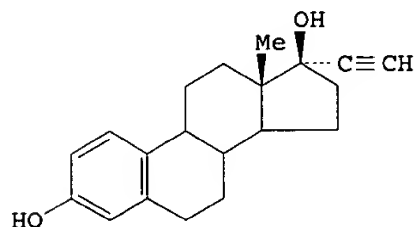
RN 58212-69-4 CAPLUS

CN Estra-1,3,5(10)-triene-3,16,17-triol, 11-(methoxymethyl)-,
(11.beta.,16.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI



I

AB In ovariectomized rats, oral treatment with ethynylestradiol (I) [57-63-6] started 1 wk after castration and given for 4 days dose-dependently increased endometrial lactate dehydrogenase (LDH) [9001-60-9] per DNA (LDH/DNA). In subsequent expts., I was used as a std. and the estrogenic activity of 4 steroids given orally was compared. The effect of testosterone [58-22-0] was studied using estradiol as a std. If the activity of I is 1, the relative estrogenic potencies of estriol 16,17-disuccinate [514-68-1], estradiol decanoate [61748-93-4],

09872705

11.beta.-methoxymethyl-17.alpha.-ethinyl-1,3,5(10)-estratriene-3,17.beta.-diol [58212-59-2] and 11.beta.-methoxymethyl-1,3,5(10)-estratriene-3,16.alpha.,17.beta.-triol [58212-69-4] were 0.074, 0.7, 12.5, and 32, resp. The results of the test were compared with the relative potencies of these 4 compds. in 2 biol. tests, viz. the vaginal cornification in ovariectomized adult rats and stimulation of the uterine growth in immature intact rats. The relative estrogenic potencies as measured by an increase in the endometrial LDH/DNA were in better agreement with those found in the vaginal cornification assay than with those in the uterine growth stimulation test. Testosterone caused no changes of LDH/DNA. Thus, the increase in LDH/DNA in the endometrium of ovariectomized rats can be used as a quant. assay for estrogenic potency.

L9 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1980:408388 CAPLUS

DOCUMENT NUMBER: 93:8388

TITLE: 7-Hydroxymethyl and -methoxymethyl steroids of the estrane series

PATENT ASSIGNEE(S): AKZO N. V., Neth.

SOURCE: Israeli, 32 pp.

CODEN: ISXXAQ

DOCUMENT TYPE: Patent

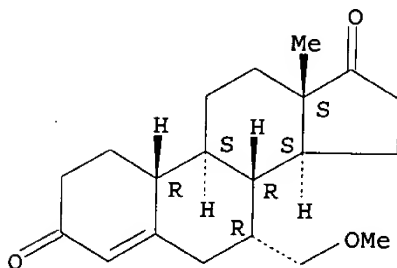
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IL 45022	A1	19780929	IL 1974-45022	19740612
PRIORITY APPLN. INFO.:			IL 1974-45022	19740612
IT 54502-44-2P 54502-48-6P 54502-49-7P				
54502-50-0P 54502-65-7P				
RL: SPN (Synthetic preparation); PREP (Preparation)				
(prepn. of)				
RN	54502-44-2 CAPLUS			
CN	Estr-4-ene-3,17-dione, 7-(methoxymethyl)-, (7.alpha.)- (9CI) (CA INDEX NAME)			

Absolute stereochemistry.



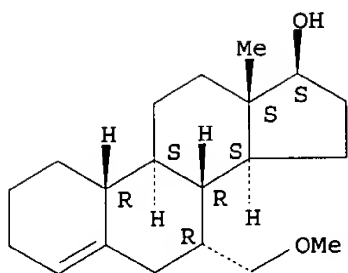
RN 54502-48-6 CAPLUS

CN Estr-4-en-17-ol, 7-(methoxymethyl)-, (7.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

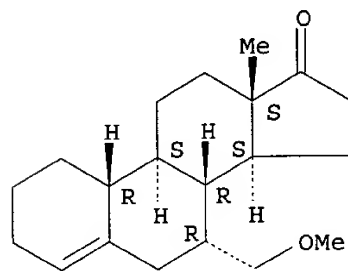
2/8/2003

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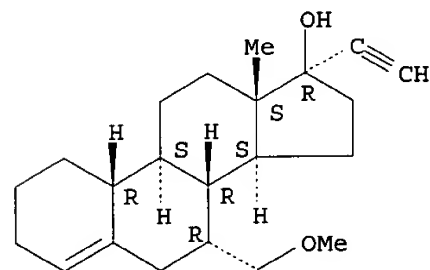
RN 54502-49-7 CAPLUS
CN Estr-4-en-17-one, 7-(methoxymethyl)-, (7.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



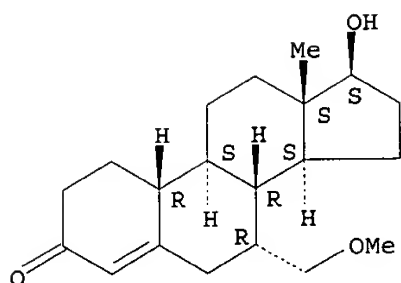
RN 54502-50-0 CAPLUS
CN 19-Norpregn-4-en-20-yn-17-ol, 7-(methoxymethyl)-, (7.alpha.,17.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

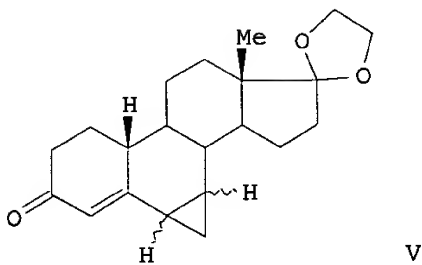
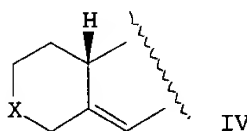
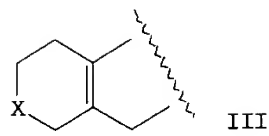
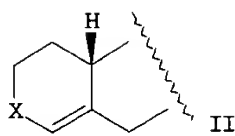
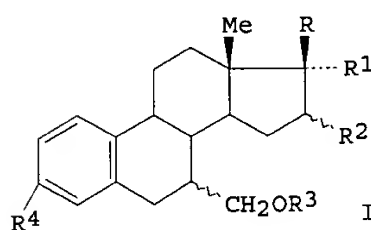


RN 54502-65-7 CAPLUS
CN Estr-4-en-3-one, 17-hydroxy-7-(methoxymethyl)-, (7.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI



AB Unsatd. (hydroxymethyl)estrans I-IV [R = HO, acyloxy, tetrahydropyranyloxy; R1 = H, C.tplbond.CH; RR1 = O; R2 = H, HO, C1-18 acyloxy; R3 = H, Me, Ac; R4 = H, HO, AcO, BzO, MeO; X = CH2, CO, CH(OAc)] were prepd. Thus, cyclocondensation of Me2S(O):CH2 with 17,17-(ethylenedioxy)estra-4,6-dien-3-one gave the isomeric methyleneestradienones V, which underwent deketalization and then ring cleavage in MeOH contg. BF3.OEt2 to give 7.alpha.- and 7.beta.- (methoxymethyl)estr-4-ene-3,17-dione.

L9 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1977:552464 CAPLUS
 DOCUMENT NUMBER: 87:152464
 TITLE: Estriol derivatives
 PATENT ASSIGNEE(S): AKZO N. V., Neth.
 SOURCE: Neth. Appl., 15 pp.
 CODEN: NAXXAN
 DOCUMENT TYPE: Patent
 LANGUAGE: Dutch
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

09872705

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 7603930	A	19761018	NL 1976-3930	19760414
ZA 7502358	A	19760331	ZA 1975-2358	19750414
PRIORITY APPLN. INFO.:			ZA 1975-2358	19750414
			NL 1974-5626	19740426

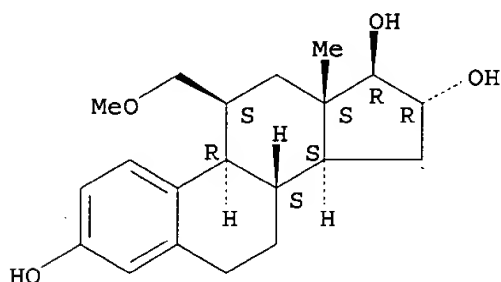
IT 58212-69-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and esterification of)

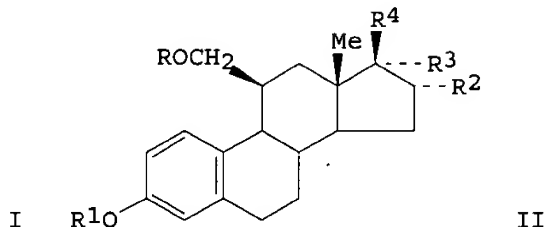
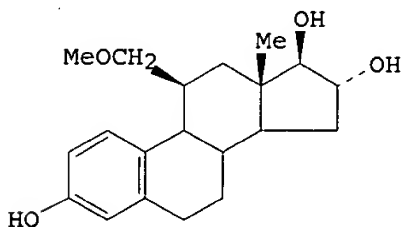
RN 58212-69-4 CAPLUS

CN Estrane-1,3,5(10)-triene-3,16,17-triol, 11-(methoxymethyl)-, (11.beta.,16.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI



AB The estriol deriv. I was prepd. by ketalizing 3-methoxy-11-methylene-1,3,5(10)-estratrien-17-one, reducing the ketal with B₂H₆, methylating II (R = R₂ = H, R₁ = Me, R₃R₄ = OCH₂CH₂O), deblocking II (R = R₁ = Me, R₂ = H, R₃R₄ = OCH₂CH₂O), acetylating II (R = Me, R₁ = R₂ = H, R₃R₄ = O), epoxidizing II (R = Me, R₁ = Ac, R₂R₃ = bond, R₄ = OAc), and reducing II (R = Me, R₁ = H, R₂R₃ = O, R₄ = OH). II (R = R₂ = H, R₁ = Me, R₃R₄ = O) was obtained from an ethylene ketal and treated with CHFClCF₂NEt₂ to give 3-methoxy-11.beta.-(fluoromethyl)estra-1,3,5(10)-trien-17-one.

L9 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1976:59867 CAPLUS

DOCUMENT NUMBER: 84:59867

TITLE: Estrane steroids substituted in the 11-position

INVENTOR(S): Van den Broek, Albertus Joannes; De Winter, Max S.

PATENT ASSIGNEE(S): AKZO N. V., Neth.

SOURCE: Ger. Offen., 31 pp.

CODEN: GWXXBX

2/8/2003

09872705

DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2518547	A1	19751113	DE 1975-2518547	19750425
NL 7405626	A	19751028	NL 1974-5626	19740426
US 3972906	A	19760803	US 1975-568334	19750415
AU 7580248	A1	19761021	AU 1975-80248	19750417
GB 1502326	A	19780301	GB 1975-16058	19750418
ES 436846	A1	19761201	ES 1975-436846	19750422
CH 618181	A	19800715	CH 1975-5112	19750422
FI 7501214	A	19751027	FI 1975-1214	19750423
FI 55209	C	19790611		
FI 55209	B	19790228		
HU 172440	P	19780928	HU 1975-AO411	19750423
DK 7501814	A	19751027	DK 1975-1814	19750424
DK 138697	C	19790430		
DK 138697	B	19781016		
AT 359213	B	19801027	AT 1975-3184	19750424
SE 7504809	A	19751027	SE 1975-4809	19750425
SE 416054	B	19801124		
SE 416054	C	19810312		
BE 828447	A1	19751027	BE 1975-155829	19750425
JP 50142556	A2	19751117	JP 1975-50606	19750425
FR 2268528	A1	19751121	FR 1975-13070	19750425
FR 2268528	B1	19800125		
CA 1056370	A1	19790612	CA 1975-225448	19750425
DK 7701061	A	19770311	DK 1977-1061	19770311
PRIORITY APPLN. INFO.:			NL 1974-5626	19740426
			DK 1975-1814	19750424

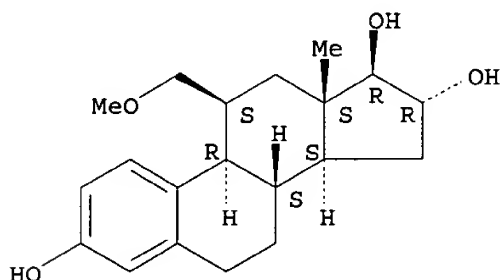
IT 58212-69-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 58212-69-4 CAPLUS

CN Estrane-1,3,5(10)-triene-3,16,17-triol, 11-(methoxymethyl)-,
 (11.beta.,16.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI For diagram(s), see printed CA Issue.

AB Estrenes I-III (R = OH, OMe; R1 = OH, OMe, Cl; R2 = OH, n-C9H19CO2, AcO,
 R3 = C.tplbond.CH, allyl, OH; R2R3 = O, R4 = H, OH; R = OH, R5 = H, RR5 =
 O) (26 compds.), useful as contraceptives (no data) were prepd. Thus, 2 g
 IV underwent successive Grignard reaction with MeOCH2Cl, dehydration, acid

2/8/2003

09872705

hydrolysis, and hydrogenation to give 0.3 g I (R = MeO, R1 = MeO, R2R3 = O, R4 = H). Ethynylation of 0.9 g I (R = MeO, R1 = HO, R2R3 = O, R4 = H) followed by acetylation gave 0.6 g I (R = MeO, R1 = HO, R2 = AcO, R3 = C.tplbond.CH, R4 = H).

L9 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1975:43655 CAPLUS

DOCUMENT NUMBER: 82:43655

TITLE: Estrane derivatives substituted in the 7-position

INVENTOR(S): Van den Broek, Albertus J.; De Visser, Jacob

PATENT ASSIGNEE(S): AKZO N. V.

SOURCE: Ger. Offen., 30 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2417846	A1	19741024	DE 1974-2417846	19740411
NL 7305171	A	19741015	NL 1973-5171	19730413
US 3944576	A	19760316	US 1974-455488	19740327
GB 1469650	A	19770406	GB 1974-13621	19740327
ZA 7401999	A	19750326	ZA 1974-1999	19740328
AU 7467531	A1	19751009	AU 1974-67531	19740404
JP 50024262	A2	19750315	JP 1974-40663	19740410
ES 425224	A1	19760516	ES 1974-425224	19740410
DK 134757	B	19770110	DK 1974-2016	19740410
SE 405364	C	19790315	SE 1974-5000	19740411
SE 405364	B	19781204		
BE 813702	A1	19741014	BE 1974-143192	19740412
FR 2225163	A1	19741108	FR 1974-12945	19740412
HU 170245	P	19770528	HU 1974-AO381	19740412
AT 349658	B	19790425	AT 1974-3135	19740416
			NL 1973-5171	19730413

PRIORITY APPLN. INFO.:

IT 54502-44-2P 54502-48-6P 54502-49-7P

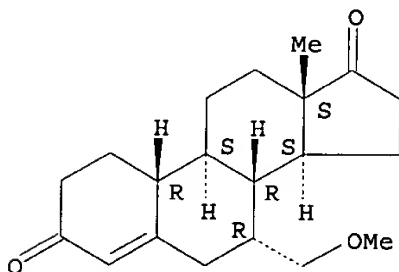
54502-50-0P 54502-65-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 54502-44-2 CAPLUS

CN Estr-4-ene-3,17-dione, 7-(methoxymethyl)-, (7.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



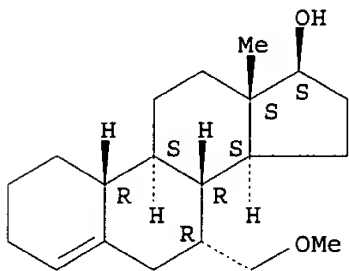
RN 54502-48-6 CAPLUS

2/8/2003

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CN Estr-4-en-17-ol, 7-(methoxymethyl)-, (7.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

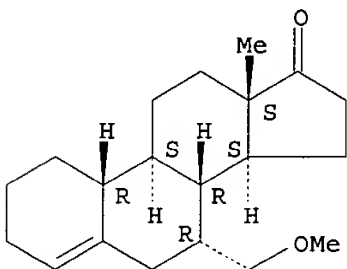
Absolute stereochemistry.



RN 54502-49-7 CAPLUS

CN Estr-4-en-17-one, 7-(methoxymethyl)-, (7.alpha.)- (9CI) (CA INDEX NAME)

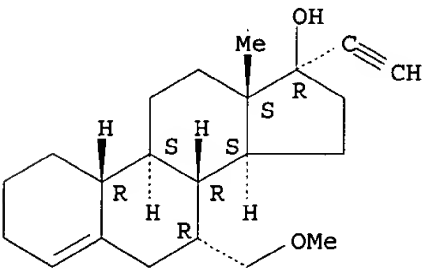
Absolute stereochemistry.



RN 54502-50-0 CAPLUS

CN 19-Norpregn-4-en-20-yn-17-ol, 7-(methoxymethyl)-, (7.alpha.,17.alpha.)- (9CI) (CA INDEX NAME)

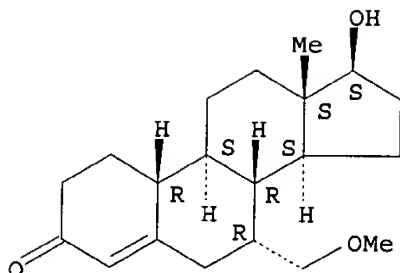
Absolute stereochemistry.



RN 54502-65-7 CAPLUS

CN Estr-4-en-3-one, 17-hydroxy-7-(methoxymethyl)-, (7.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI For diagram(s), see printed CA Issue.

AB Estrenes I (X = H₂, O; R = H, Me, Ac; R₁ = H, HC.tplbond.C; R₂ = HO; R₁R₂ = O) and estratrienes II (R = H, Me, Ac; R₁ = H, HC.tplbond.C; R₂ = HO; R₁R₂ = O; R₃ = H, Me, Ac) 17 compds.) were prepd. from estradiene III by 1) Wittig methylenation followed by treatment with BF₃.Et₂O and MeOH, 2) by hydrocyanation followed by hydrolysis and redn. of the resulting acid, and from estratrienedione IV (R₄ = H, Me; X = O; R₁R₂ = OCH₂CH₂O) by 1) Wittig methylenation and treatment with Et₂O.BF₃ and MeOH and 2) by Wittig methoxymethylenation and hydrogenation. Thus, IV (X = O, R₁R₂ = OCH₂CH₂O, R₄ = H) was treated with (MeOCH₂)Ph₃P+Cl⁻ to give IV (X = MeOCH), which was hydrogenated and deketalized to give II (R = Me, R₁R₂ = O, R₃ = Me).

=>

=> s methoxymethoxyandrost

L10 0 METHOXYMETHYLOXYANDROST

=> s methoxymethoxyandrost

L11 0 METHOXYMETHYLOXYANDROST

=> s methoxymethoxyandrost-1,4-diene

0 METHOXYMETHYLOXYANDROST

7426203 1

4612880 4

57582 DIENE

L12 0 METHOXYMETHYLOXYANDROST-1,4-DIENE

(METHOXYMETHYLOXYANDROST(W)1(W)4(W)DIENE)

=> s methoxymethoxyandrost-1

0 METHOXYMETHYLOXYANDROST

7426203 1

L13 0 METHOXYMETHYLOXYANDROST-1

(METHOXYMETHYLOXYANDROST(W)1)

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

48.86

119.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.56

-5.21

FILE 'REGISTRY' ENTERED AT 15:29:05 ON 08 FEB 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6
DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s methoxymethyloxyandrost
L14 0 METHOXYMETHYLOXYANDROST

=> s 17-hydroxyandrost
441889 17
1384 HYDROXYANDROST
L15 241 17-HYDROXYANDROST
(17(W)HYDROXYANDROST)

=> s 17-diol, androst
441889 17
327955 DIOL
28126 ANDROST
L16 1 17-DIOL, ANDROST
(17(W)DIOL(W)ANDROST)

=> d l16

L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 376387-73-4 REGISTRY
CN Androst-4-ene-3,17-dione, mixt. with (3.beta.,17.beta.)-androst-5-ene-3,17-diol, androst-5-ene-3,17-dione, antler, 5,7-dihydroxy-2-phenyl-4H-1-benzopyran-4-one, (3.beta.,17.beta.)-estr-5-ene-3,17-diol, estr-4-ene-3,17-dione, and estr-5-ene-3,17-dione (9CI) (CA INDEX NAME)
MF C19 H30 O2 . C19 H26 O2 . C19 H26 O2 . C18 H28 O2 . C18 H24 O2 . C18 H24 O2 . C15 H10 O4 . Unspecified
CI MXS, MAN
SR CA
LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
29.40	148.89

2/8/2003

09872705

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.21

FILE 'CAPLUS' ENTERED AT 15:32:58 ON 08 FEB 2003
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FILE COVERS 1907 - 8 Feb 2003 VOL 138 ISS 7
FILE LAST UPDATED: 7 Feb 2003 (20030207/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 15:17:40 ON 08 FEB 2003)

FILE 'REGISTRY' ENTERED AT 15:17:50 ON 08 FEB 2003

L1 1208 S TESTOSTERONE
L2 81 S DIHYDROTESTOSTERONE
L3 0 S 17-METHOXYMETHYLESTR-4-ENE-3-ONE

FILE 'CAPLUS' ENTERED AT 15:20:56 ON 08 FEB 2003

L4 0 S 17-METHOXYMETHYLESTR-4-ENE-3-ONE
L5 0 S 17-METHOXYMETHYLESTR
L6 1 S METHOXYMETHYLESTR

FILE 'REGISTRY' ENTERED AT 15:22:48 ON 08 FEB 2003

L7 0 S METHOXYMETHYLESTR/RN
L8 6 S METHOXYMETHYLESTR

FILE 'CAPLUS' ENTERED AT 15:24:20 ON 08 FEB 2003

L9 7 S L8
L10 0 S METHOXYMETHYLOXYANDROST
L11 0 S METHOXYMETHYLOXYANDROST
L12 0 S METHOXYMETHYLOXYANDROST-1,4-DIENE
L13 0 S METHOXYMETHYLOXYANDROST-1

FILE 'REGISTRY' ENTERED AT 15:29:05 ON 08 FEB 2003

L14 0 S METHOXYMETHYLOXYANDROST
L15 241 S 17-HYDROXYANDROST
L16 1 S 17-DIOL, ANDROST

FILE 'CAPLUS' ENTERED AT 15:32:58 ON 08 FEB 2003

2/8/2003

09872705

=> s 116

L17 1 L16

=> d 117 ibib hitstr abs

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:850953 CAPLUS
DOCUMENT NUMBER: 136:11113
TITLE: Composition containing deer antler, nor-testosterone
and testosterone precursors and aromatase and
5.alpha.-reductase inhibitors to increase testosterone
levels
INVENTOR(S): Yegorova, Inna
PATENT ASSIGNEE(S): Braswell, Glenn A., USA
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001087316	A2	20011122	WO 2001-US15404	20010512
WO 2001087316	A3	20020502		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.:

US 2000-570908 A 20000515

IT 376387-73-4

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compn. contg. deer antler, nortestosterone and testosterone precursors and aromatase and 5.alpha.-reductase inhibitors to increase testosterone levels)

RN 376387-73-4 CAPLUS

CN Androst-4-ene-3,17-dione, mixt. with (3.beta.,17.beta.)-androst-5-ene-3,17-diol, androst-5-ene-3,17-dione, antler, 5,7-dihydroxy-2-phenyl-4H-1-benzopyran-4-one, (3.beta.,17.beta.)-estr-5-ene-3,17-diol, estr-4-ene-3,17-dione, and estr-5-ene-3,17-dione (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

AB This invention provides compns. and methods related to the administration of deer antler, one or more nor-testosterone precursors, and one or more testosterone precursors, to increase testosterone levels, treat sexual dysfunction, improve sexual function, improve energy, enhance feelings of well-being and increase muscle mass in males. This invention also provides for inhibitors of the enzymes aromatase and/or 5-alpha reductase, to support testosterone levels and avoid undesirable metabolites.

=> file reg

2/8/2003

09872705

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.55	152.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-5.86

FILE 'REGISTRY' ENTERED AT 15:34:07 ON 08 FEB 2003
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STRUCTURE FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6
DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 376387-73-4/rn
L18 1 376387-73-4/RN

=> d l18

L18 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 376387-73-4 REGISTRY
CN Androst-4-ene-3,17-dione, mixt. with (3.beta.,17.beta.)-androst-5-ene-3,17-
diol, androst-5-ene-3,17-dione, antler, 5,7-dihydroxy-2-phenyl-4H-1-
benzopyran-4-one, (3.beta.,17.beta.)-estr-5-ene-3,17-diol,
estr-4-ene-3,17-dione, and estr-5-ene-3,17-dione (9CI) (CA INDEX NAME)
MF C19 H30 O2 . C19 H26 O2 . C19 H26 O2 . C18 H28 O2 . C18 H24 O2 . C18 H24
O2 . C15 H10 O4 . Unspecified
CI MXS, MAN
SR CA
LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

2/8/2003

09872705

```
=>
=> s methoxymethoxyandrost
L10      0 METHOXYMETHYOXYANDROST

=> s methoxymethyloxyandrost
L11      0 METHOXYMETHYLOXYANDROST

=> s methoxymethyloxyandrost-1,4-diene
      0 METHOXYMETHYLOXYANDROST
      7426203 1
      4612880 4
      57582 DIENE
L12      0 METHOXYMETHYLOXYANDROST-1,4-DIENE
      (METHOXYMETHYLOXYANDROST(W)1(W)4(W)DIENE)

=> s methoxymethyloxyandrost-1
      0 METHOXYMETHYLOXYANDROST
      7426203 1
L13      0 METHOXYMETHYLOXYANDROST-1
      (METHOXYMETHYLOXYANDROST(W)1)
```

=> file reg		
COST IN U.S. DOLLARS ,	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	48.86	119.49
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.56	-5.21

FILE 'REGISTRY' ENTERED AT 15:29:05 ON 08 FEB 2003
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DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

```
=> s methoxymethyloxyandrost
L14      0 METHOXYMETHYLOXYANDROST
```

```
=> s 17-hydroxyandrost
      441889 17
```

2/8/2003

09872705

L15 1384 HYDROXYANDROST
241 17-HYDROXYANDROST
(17(W)HYDROXYANDROST)

=> s 17-diol, androst
441889 17
327955 DIOL
28126 ANDROST
L16 1 17-DIOL, ANDROST
(17(W)DIOL(W)ANDROST)

=> d l16

L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 376387-73-4 REGISTRY
CN Androst-4-ene-3,17-dione, mixt. with (3.beta.,17.beta.)-androst-5-ene-3,17-diol, androst-5-ene-3,17-dione, antler, 5,7-dihydroxy-2-phenyl-4H-1-benzopyran-4-one, (3.beta.,17.beta.)-estr-5-ene-3,17-diol, estr-4-ene-3,17-dione, and estr-5-ene-3,17-dione (9CI) (CA INDEX NAME)
MF C19 H30 O2 . C19 H26 O2 . C19 H26 O2 . C18 H28 O2 . C18 H24 O2 . C18 H24 O2 . C15 H10 O4 . Unspecified
CI MXS, MAN
SR CA
LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
	29.40	148.89
FULL ESTIMATED COST		
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
	0.00	-5.21
CA SUBSCRIBER PRICE		

FILE 'CAPLUS' ENTERED AT 15:32:58 ON 08 FEB 2003
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FILE COVERS 1907 - 8 Feb 2003 VOL 138 ISS 7
FILE LAST UPDATED: 7 Feb 2003 (20030207/ED)

2/8/2003

10203513

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LOGINID:sssptal202sxxq

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC

2/8/2003

10203513

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
 CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 11:32:48 ON 10 FEB 2003

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:32:54 ON 10 FEB 2003
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STRUCTURE FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6
DICTIONARY FILE UPDATES: 7 FEB 2003 HIGHEST RN 487578-67-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s testosterone
L1 1208 TESTOSTERONE

=> s 4-androstenediol
 12125912 4
 21 ANDROSTENEDIOL

2/8/2003

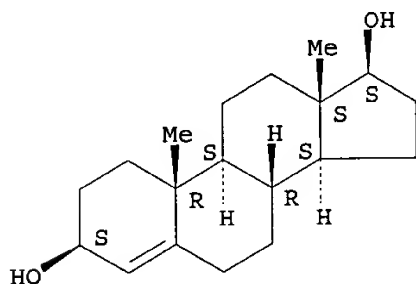
10203513

L2 1 4-ANDROSTENEDIOL
(4 (W) ANDROSTENEDIOL)

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 1156-92-9 REGISTRY
CN Androst-4-ene-3,17-diol, (3.beta.,17.beta.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Androst-4-ene-3.beta.,17.beta.-diol (7CI, 8CI)
OTHER NAMES:
CN .DELTA.4-Androstene-3.beta.,17.beta.-diol
CN 3.beta.,17.beta.-Dihydroxy-4-androstene
CN **4-Androstenediol**
FS STEREOSEARCH
MF C19 H30 O2
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CEN,
CHEMCATS, CIN, CSCHEM, EMBASE, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

190 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
190 REFERENCES IN FILE CAPLUS (1962 TO DATE)
29 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

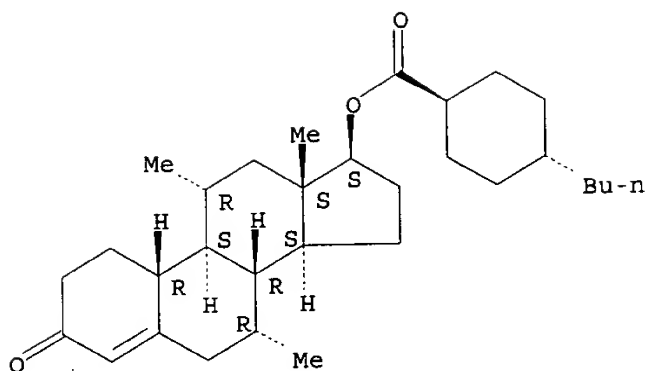
=> d 11 1-2

L1 ANSWER 1 OF 1208 REGISTRY COPYRIGHT 2003 ACS
RN 366472-55-1 REGISTRY
CN Estr-4-en-3-one, 17-[[{(trans-4-butylcyclohexyl)carbonyl}oxy]-7,11-dimethyl-, (7.alpha.,11.alpha.,17.beta.)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **7.alpha.,11.alpha.-Dimethyl-19-nortestosterone-17.beta.-bucyclate**
CN CDB 4386
FS STEREOSEARCH
MF C31 H48 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

2/8/2003

10203513



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

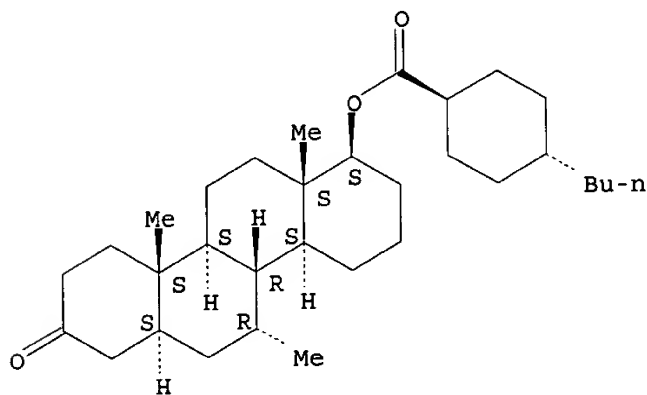
1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 2 OF 1208 REGISTRY COPYRIGHT 2003 ACS
RN 366472-53-9 REGISTRY
CN Cyclohexanecarboxylic acid, 4-butyl-, (1S,4aS,4bR,5R,6aS,10aS,10bS,12aS)-
octadecahydro-5,10a,12a-trimethyl-8-oxo-1-chrysenyl ester, trans- (9CI)
(CA INDEX NAME)

OTHER NAMES:

CN 7.alpha.-Methyl-D-homo-testosterone-17.beta.-bucyclate
FS STEREOSEARCH
MF C32 H52 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> s testosterone/rn

2/8/2003

10203513

L3 0 TESTOSTERONE/RN

=> s testosterone

L4 1208 TESTOSTERONE

=> d l1 10-11

L1 ANSWER 10 OF 1208 REGISTRY COPYRIGHT 2003 ACS

RN 253584-12-2 REGISTRY

CN Cytochrome P 450 (Cricetulus griseus gene CYP2A15 isoform 2A15) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank AB022916-derived protein GI 5804792

CN **Testosterone 7.alpha.-hydroxylase (Chinese hamster)**

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 11 OF 1208 REGISTRY COPYRIGHT 2003 ACS

RN 252766-07-7 REGISTRY

CN Estr-4-en-3-one, 17-[[[(trans-4-butylcyclohexyl)carbonyl]oxy]-7-methyl-, (7.alpha.,17.beta.)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **7.alpha.-Methyl-19-nortestosterone-17.beta.-bucyclate**

CN MENT bucyclate

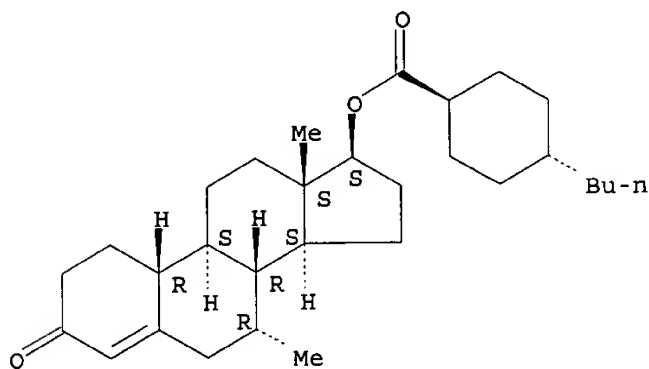
FS STEREOSEARCH

MF C30 H46 O3

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)

2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

2/8/2003

10203513

=>

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
28.48	28.69

FULL ESTIMATED COST

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FILE COVERS 1907 - 10 Feb 2003 VOL 138 ISS 7
FILE LAST UPDATED: 7 Feb 2003 (20030207/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l1

L5 58592 L1

=> s testosterone

L6 51799 TESTOSTERONE

=> d l6 1-2

L6 ANSWER 1 OF 51799 CAPLUS COPYRIGHT 2003 ACS
AN 2003:96761 CAPLUS
TI Effect of adrenalectomy on rat epididymidis
AU Nair, Neena; Bedwal, R. S.; Mathur, R. S.
CS Cell Biology Laboratory, Department of Zoology, University of Rajasthan,
Jaipur, 302 004, India
SO Asian Journal of Andrology (2002), 4(4), 273-279
CODEN: ASJAF8; ISSN: 1008-682X
PB Science Press
DT Journal
LA English

L6 ANSWER 2 OF 51799 CAPLUS COPYRIGHT 2003 ACS
AN 2003:96175 CAPLUS
TI Early exposure to genistein exerts long-lasting effects on the endocrine
and immune systems in rats
AU Klein, Sabra L.; Wisniewski, Amy B.; Marson, Aimee L.; Glass, Gregory E.;
Gearhart, John P.
CS The W. Harry Feinstone Department of Molecular Microbiology and
Immunology, The Johns Hopkins Bloomberg School of Public Health,

2/8/2003

10203513

Baltimore, MD, USA
SO Molecular Medicine (Baltimore, MD, United States) (2002), 8(11), 742-749
CODEN: MOMEF3; ISSN: 1076-1551
PB Johns Hopkins University Press
DT Journal
LA English